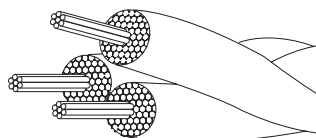


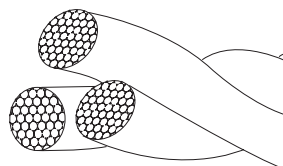
COATS *astra*

COATS *astra*® is a lubricated super high-tenacity 100% staple-spun polyester thread. It is a knotless product with a uniform construction for dependable sewing of lightweight woven and knit fabrics.

COATS *astra* comes to you from the World of Coats and is available in more than 60 countries. As the world's largest thread supplier, Coats guarantees global quality and performance. Every COATS *astra* color has one number, one specification worldwide.



thread with core filament



staple-spun thread



Ideal Applications

- Blouses and skirts
- Casual shirts
- T-shirts with interlock weave
- Children's apparel
- Sleepwear (flame resistant finish)
- Dresses
- Branded lingerie
- Lightweight twill pants
- Medium-range fleece
- Non-luster logo embroidery

Why choose COATS *astra*?

- Knotless, spliced construction
- Low shrinkage ideal for polyester blends
- 5% - 8% silicone lubrication
- Resistant to sunlight and chemicals
- Economical alternative for lightweight fabrics

COATS
astra



100% STAPLE-SPUN
POLYESTER

Product Information





Product Specifications

Global Offer Tex No.	Total Dtex	Ply	Strength (oz.)	Elongation % min - max	Needle size* Singer/Metric
18	180	2	23	12 - 18	9 / 65
27	275	2 or 3	34	13 - 19	10 / 70
40	410	2	54	13 - 19	12 / 80
60	600	2	77	15 - 21	14 / 90
80	900	3	117	16 - 22	16 / 100
105	1,200	4	157	16 - 22	18 / 110

(*Needle size recommendations are nominal and ultimately depend on the sewing application; companion ready-wound bobbins available. In North America, additional sizes offered are Tex 21 and 45.)



Chemical Properties

Mineral acids: Resistant to most mineral acids

Alkalis: Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures

Organic solvents: Generally unaffected, but soluble in some phenolic compounds

Bleaching: Unaffected

Insects/microorganisms (mildew, rot): Unaffected

Laundering/dry cleaning: Unaffected

Moisture regain: 0.4%



Fastness Properties (All Grade 4)

Washfastness (ISO 105 CO3)

Waterfastness (ISO 105 E01)

Rub-fastness (ISO 105 X12)

Hypochlorite fastness (ISO 105 NO1)

Dry cleaning fastness (ISO 105 D01)

Perspiration fastness (ISO 105 EO4)

Lightfastness (ISO 105 B02)

(These fastness grades represent minimum performance levels. In practice the majority of shades will exceed these levels.)

Thermal Properties

- Melts at 508 - 526° F (250 - 260° C), softens at 454 - 490° F (220 - 240° C)
- Shrinkage less than 1% at 328° F (150° C)



Reliability. Efficiency. Sewn together.

COATS NORTH AMERICA
www.coatscna.com

USA 800 631 0965 CANADA 519 848 3140
MEXICO 011 525 227 1800 HONDURAS 011 504 669 0452